

David R Clarke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139
papers

16,360
citations

57
h-index

127
g-index

144
ext. papers

18,476
ext. citations

6.2
avg, IF

7.13
L-index

#	Paper	IF	Citations
139	Photoswitchable Covalent Adaptive Networks Based on Thiol-Ene Elastomers.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
138	Printing Reconfigurable Bundles of Dielectric Elastomer Fibers. <i>Advanced Functional Materials</i> , 2021 , 31, 2010643	15.6	19
137	Dielectric elastomer actuators. <i>Journal of Applied Physics</i> , 2021 , 129, 151102	2.5	25
136	Confocal microscopy observations of electrical pre-breakdown of bi-layer elastomer dielectrics. <i>Extreme Mechanics Letters</i> , 2021 , 49, 101473	3.9	1
135	Tunable Multi-Modal Locomotion in Soft Dielectric Elastomer Robots. <i>IEEE Robotics and Automation Letters</i> , 2020 , 5, 3868-3875	4.2	11
134	3D Printing of Interdigitated Dielectric Elastomer Actuators. <i>Advanced Functional Materials</i> , 2020 , 30, 1907375	15.6	70
133	A Wearable Soft Haptic Communicator Based on Dielectric Elastomer Actuators. <i>Soft Robotics</i> , 2020 , 7, 451-461	9.2	41
132	Power generation performance of dielectric elastomer generator with laterally-constrained configuration. <i>Smart Materials and Structures</i> , 2020 , 29, 015018	3.4	4
131	Expression of interfacial Seebeck coefficient through grain boundary engineering with multi-layer graphene nanoplatelets. <i>Energy and Environmental Science</i> , 2020 , 13, 4114-4121	35.4	30
130	Realizing the potential of dielectric elastomer artificial muscles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2476-2481	11.5	146
129	Opportunities for minimizing radiative heat transfer in future thermal and environmental barrier coatings. <i>Scripta Materialia</i> , 2019 , 173, 26-31	5.6	8
128	Voltage-controlled morphing of dielectric elastomer circular sheets into conical surfaces. <i>Extreme Mechanics Letters</i> , 2019 , 30, 100504	3.9	17
127	Controlled flight of a microrobot powered by soft artificial muscles. <i>Nature</i> , 2019 , 575, 324-329	50.4	199
126	Reconfigurable shape-morphing dielectric elastomers using spatially varying electric fields. <i>Nature Communications</i> , 2019 , 10, 183	17.4	75
125	Adaptive metalenses with simultaneous electrical control of focal length, astigmatism, and shift. <i>Science Advances</i> , 2018 , 4, eaap9957	14.3	181
124	On the Yttrium Tantalate Zirconia phase diagram. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 3317-3324	6	13
123	The effect of zirconia substitution on the high-temperature transformation of the monoclinic-prime phase in yttrium tantalate. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 3925-3931	6	23

122	Electric-field induced surface instabilities of soft dielectrics and their effects on optical transmittance and scattering. <i>Journal of Applied Physics</i> , 2018 , 123, 113105	2.5	10
121	Large area metalenses: design, characterization, and mass manufacturing. <i>Optics Express</i> , 2018 , 26, 15733-1585	3.5	95
120	Single layer In-O atomic sheets as phonon and electron barriers in ZnO-In ₂ O ₃ natural superlattices: Implications for thermoelectricity. <i>Journal of Applied Physics</i> , 2018 , 124, 025101	2.5	3
119	Ultra-Lightweight, High Power Density Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2018 , 1, 131-134	5.6	17
118	Compact Dielectric Elastomer Linear Actuators. <i>Advanced Functional Materials</i> , 2018 , 28, 1804328	15.6	88
117	Organic liquid-crystal devices based on ionic conductors. <i>Materials Horizons</i> , 2017 , 4, 1102-1109	14.4	56
116	A high speed soft robot based on dielectric elastomer actuators 2017 ,		52
115	Multilayer Dielectric Elastomers for Fast, Programmable Actuation without Prestretch. <i>Advanced Materials</i> , 2016 , 28, 8058-8063	24	141
114	Electrically tunable window device. <i>Optics Letters</i> , 2016 , 41, 1289-92	3	34
113	Rare-Earth Separation Using Bacteria. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 180-184	11	75
112	Pattern formation in plastic liquid films on elastomers by ratcheting. <i>Soft Matter</i> , 2016 , 12, 3820-7	3.6	8
111	Electrically-tunable surface deformation of a soft elastomer. <i>Soft Matter</i> , 2016 , 12, 3137-41	3.6	18
110	Optical and vibrational properties of (ZnO) _k In ₂ O ₃ natural superlattice nanostructures. <i>Journal of Applied Physics</i> , 2016 , 119, 195103	2.5	9
109	The Thermal Conductivity of Polymer-Derived Amorphous SiO ₂ Compounds and Nano-Composites. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 281-285	3.8	36
108	Superconductivity and crystal structural origins of the metal-insulator transition in Ba _{6-x} Sr _x Nb ₁₀ O ₃₀ tetragonal tungsten bronzes. <i>Physical Review B</i> , 2015 , 92,	3.3	8
107	Dielectric Elastomer Based "Grippers" for Soft Robotics. <i>Advanced Materials</i> , 2015 , 27, 6814-9	24	282
106	Nanoscale thermal transport. II. 2003-2012. <i>Applied Physics Reviews</i> , 2014 , 1, 011305	17.3	1050
105	Complex ordered patterns in mechanical instability induced geometrically frustrated triangular cellular structures. <i>Physical Review Letters</i> , 2014 , 112, 098701	7.4	92

104	Relation between thermoelectric properties and phase equilibria in the ZnO-In ₂ O ₃ binary system. <i>Acta Materialia</i> , 2014 , 63, 191-201	8.4	30
103	First-principles calculations of the high-temperature phase transformation in yttrium tantalate. <i>Physical Review B</i> , 2014 , 90,	3.3	51
102	Thermal conductivity of single- and multi-phase compositions in the ZrO ₂ -Y ₂ O ₃ -Ta ₂ O ₅ system. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 3085-3094	6	72
101	The tetragonal-monoclinic, ferroelastic transformation in yttrium tantalate and effect of zirconia alloying. <i>Acta Materialia</i> , 2014 , 69, 196-202	8.4	75
100	Characterization of Tetragonal-Monoclinic, Ferroelastic Transformation and Domain Boundaries in Zirconia-Alloyed Yttrium Tantalate. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1930-1931	0.5	1
99	Vibration Damping of Thermal Barrier Coatings Containing Ductile Metallic Layers. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014 , 81,	2.7	5
98	Optimizing the electrical energy conversion cycle of dielectric elastomer generators. <i>Advanced Materials</i> , 2014 , 26, 6617-21	24	73
97	Structural transition from helices to hemihelices. <i>PLoS ONE</i> , 2014 , 9, e93183	3.7	44
96	Turbine Materials and Mechanics 2014 , 495-553		1
95	Maximizing the Energy Density of Dielectric Elastomer Generators Using Equi-Biaxial Loading. <i>Advanced Functional Materials</i> , 2013 , 23, 5056-5061	15.6	139
94	Aqueous Epitaxial Growth of ZnO on Single Crystalline Au Microplates. <i>Crystal Growth and Design</i> , 2013 , 13, 986-991	3.5	10
93	Data-Driven Review of Thermoelectric Materials: Performance and Resource Considerations. <i>Chemistry of Materials</i> , 2013 , 25, 2911-2920	9.6	285
92	Tunable lenses using transparent dielectric elastomer actuators. <i>Optics Express</i> , 2013 , 21, 8669-76	3.3	227
91	Thermal (Kapitza) resistance of interfaces in compositional dependent ZnO-In ₂ O ₃ superlattices. <i>Applied Physics Letters</i> , 2013 , 102, 223903	3.4	29
90	Thermal-barrier coatings for more efficient gas-turbine engines. <i>MRS Bulletin</i> , 2012 , 37, 891-898	3.2	736
89	The thickness and stretch dependence of the electrical breakdown strength of an acrylic dielectric elastomer. <i>Applied Physics Letters</i> , 2012 , 101, 122905	3.4	111
88	Large, uni-directional actuation in dielectric elastomers achieved by fiber stiffening. <i>Applied Physics Letters</i> , 2012 , 100, 211901	3.4	77
87	Dielectric elastomer actuators under equal-biaxial forces, uniaxial forces, and uniaxial constraint of stiff fibers. <i>Soft Matter</i> , 2012 , 8, 6167	3.6	200

86	YMnO ₃ -ZnO Thermoelectrics. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1630-1630	1.3	
85	Highly compliant transparent electrodes. <i>Applied Physics Letters</i> , 2012 , 101, 061101	3.4	43
84	Spontaneous and deterministic three-dimensional curling of pre-strained elastomeric bi-strips. <i>Soft Matter</i> , 2012 , 8, 6291	3.6	48
83	Enhanced n-type thermopower in distortion-free LiMn ₂ O ₄ . <i>Journal of Materials Chemistry</i> , 2012 , 22, 4631		14
82	Anisotropic elastic and thermal properties of the double perovskite slab/block salt layer Ln ₂ SrAl ₂ O ₇ (Ln=La, Nd, Sm, Eu, Gd or Dy) natural superlattice structure. <i>Acta Materialia</i> , 2012 , 60, 3380-3392	8.4	191
81	Giant, voltage-actuated deformation of a dielectric elastomer under dead load. <i>Applied Physics Letters</i> , 2012 , 100, 041911	3.4	137
80	Fabrication of thin, luminescent, single-crystal diamond membranes. <i>Applied Physics Letters</i> , 2011 , 99, 081913	3.4	49
79	The grain size and temperature dependence of the thermal conductivity of polycrystalline, tetragonal yttria-stabilized zirconia. <i>Applied Physics Letters</i> , 2011 , 98, 211906	3.4	37
78	Damage Evolution in Thermal Barrier Coatings with Thermal Cycling. <i>Journal of the American Ceramic Society</i> , 2011 , 94, s112-s119	3.8	24
77	The use of Larson-Miller parameters to monitor the evolution of Raman lines of tetragonal zirconia with high temperature aging. <i>Acta Materialia</i> , 2011 , 59, 1162-1167	8.4	35
76	Hohempfindlicher Wasserstoffnachweis mithilfe von rissigen Palladiumfilmen auf nachgiebigen Substraten. <i>Angewandte Chemie</i> , 2011 , 123, 10312-10314	3.6	3
75	Thermal conductivity of the gadolinium calcium silicate apatites: Effect of different point defect types. <i>Acta Materialia</i> , 2011 , 59, 3841-3850	8.4	75
74	Calculation of the thermal conductivity of L ₂ SrAl ₂ O ₇ (L= La, Nd, Sm, Eu, Gd, Dy). <i>Physical Review B</i> , 2011 , 84,	3.3	32
73	Neodymium zirconate (Nd ₂ Zr ₂ O ₇) transparent ceramics as a solid state laser material. <i>Applied Physics Letters</i> , 2011 , 98, 151105	3.4	26
72	Stress Distributions in Plasma-Sprayed Thermal Barrier Coatings Under Thermal Cycling in a Temperature Gradient. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2011 , 78,	2.7	52
71	Anisotropic Thermal Diffusivity and Conductivity of La-Doped Strontium Niobate Sr ₂ Nb ₂ O ₇ . <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1136-1141	3.8	43
70	Thermal Conductivity of the Rare-Earth Strontium Aluminates. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1457	3.8	11
69	Resistance to Low-Temperature Degradation of Equimolar YO _{1.5} Ta _{0.5} Stabilized Tetragonal ZrO ₂ Ceramics in Air. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2024	3.8	12

68	Low thermal conductivity without oxygen vacancies in equimolar YO _{1.5} +TaO _{2.5} - and YbO _{1.5} +TaO _{2.5} -stabilized tetragonal zirconia ceramics. <i>Acta Materialia</i> , 2010 , 58, 4424-4431	8.4	71
67	Aqueous lateral epitaxy overgrowth of ZnO on (0001) GaN at 90 °C: Part II: Stress determination. <i>Thin Solid Films</i> , 2010 , 518, 6030-6035	2.2	2
66	Crossover in thermal transport properties of natural, perovskite-structured superlattices. <i>Applied Physics Letters</i> , 2009 , 95, 161906	3.4	41
65	Effects of Reducing Atmosphere on the Luminescence of Eu ³⁺ -Doped Yttria-Stabilized Zirconia Sensor Layers in Thermal Barrier Coatings. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 125-129	3.8	17
64	Diffusion of Water Species in Yttria-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2731-2737	3.8	21
63	The Tetragonal-Monoclinic Transformation in Zirconia: Lessons Learned and Future Trends. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1901-1920	3.8	899
62	Characterization of Electron Beam Physical Vapor-Deposited Thermal Barrier Coatings Using Diffuse Optical Reflectance. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 6, 400-409	2	22
61	On the initiation of cyclic oxidation-induced rumpling of platinum-modified nickel aluminide coatings. <i>Acta Materialia</i> , 2009 , 57, 1717-1723	8.4	23
60	A numerical solution based parameter estimation method for flash thermal diffusivity measurements. <i>Computational Materials Science</i> , 2009 , 45, 342-348	3.2	9
59	Anisotropic thermal conductivity of the Aurivillius phase, bismuth titanate (Bi ₄ Ti ₃ O ₁₂): A natural nanostructured superlattice. <i>Applied Physics Letters</i> , 2008 , 93, 102907	3.4	76
58	Optical measurement of the thermal diffusivity of intact thermal barrier coatings. <i>Journal of Applied Physics</i> , 2008 , 104, 113119	2.5	6
57	Effect of CMAS Infiltration on Radiative Transport Through an EB-PVD Thermal Barrier Coating. <i>International Journal of Applied Ceramic Technology</i> , 2008 , 5, 278-288	2	28
56	Composition-Size Effects in Nickel/Zinc Ferrite Nanoparticles Prepared by Aqueous Coprecipitation. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1253-1257	3.8	7
55	Low-temperature transformation kinetics of electron-beam deposited 5wt.% yttria-stabilized zirconia. <i>Acta Materialia</i> , 2007 , 55, 2049-2055	8.4	37
54	Use of polarization in imaging the residual stresses in polycrystalline alumina films. <i>Acta Materialia</i> , 2007 , 55, 3431-3436	8.4	7
53	Oxide Materials with Low Thermal Conductivity. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 533-548	3.8	175
52	Effect of Residual Stress on the Luminescence Lifetime of R-Line Emission from Polycrystalline Alumina Formed by Oxidation. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1798-1801	3.8	5
51	Lattice Expansion and Saturation Magnetization of Nickel/Zinc Ferrite Nanoparticles Prepared by Aqueous Precipitation. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3541-3546	3.8	49

50	Magnetic Properties of Nickel-Zinc Ferrite Toroids Prepared from Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3547-3553	3.8	28
49	Stress anisotropy of the R-line luminescence lifetime in single crystal Cr-doped sapphire (ruby). <i>Journal of Applied Physics</i> , 2007 , 101, 093521	2.5	4
48	Temperature dependence of the yttria-stabilized zirconia Raman spectrum. <i>Journal of Applied Physics</i> , 2007 , 101, 053524	2.5	21
47	Recent advances in piezospectroscopy. <i>International Journal of Materials Research</i> , 2007 , 98, 756-762	0.5	9
46	Defect and stress characterization of AlN films by Raman spectroscopy. <i>Applied Physics Letters</i> , 2006 , 89, 241911	3.4	91
45	Noncontact Methods for Measuring Thermal Barrier Coating Temperatures. <i>International Journal of Applied Ceramic Technology</i> , 2006 , 3, 105-112	2	27
44	Temperature-Dependent Optical Reflectivity of Tetragonal-Prime Yttria-Stabilized Zirconia. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 908-913	3.8	22
43	Thermal conductivity of yttria-stabilized zirconia-Bafnia solid solutions. <i>Acta Materialia</i> , 2006 , 54, 5051-5059	3.9	105
42	The use of polarization in the piezospectroscopic determination of the residual stresses in polycrystalline alumina films. <i>Acta Materialia</i> , 2006 , 54, 5551-5557	8.4	14
41	Effect of long term, high temperature aging on luminescence from Eu-doped YSZ thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2006 , 201, 3942-3946	4.4	43
40	High temperature aging of YSZ coatings and subsequent transformation at low temperature. <i>Surface and Coatings Technology</i> , 2005 , 200, 1287-1291	4.4	80
39	Piezoelectric Moduli of Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 79, 2563-2566	3.8	12
38	Effective Properties of Ferroelectric and/or Ferromagnetic Composites: A Unified Approach and Its Application. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1333-1340	3.8	71
37	Electrical-Impulse-Induced Fracture of Zinc Oxide Varistor Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 2086-2092	3.8	23
36	Transformation of Electron-Beam Physical Vapor-Deposited 8 wt% Yttria-Stabilized Zirconia Thermal Barrier Coatings. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2552-2558	3.8	81
35	Thermal barrier coating materials. <i>Materials Today</i> , 2005 , 8, 22-29	21.8	664
34	Varistor Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 485-502	3.8	923
33	A Diffuse Interface Description of Intergranular Films in Polycrystalline Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1537-1546	3.8	46

32	Piezospectroscopic Analysis of Interface Debonding in Thermal Barrier Coatings. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1165-1170	3.8	49
31	Crystallographic Texture and Thermal Conductivity of Zirconia Thermal Barrier Coatings Deposited on Different Substrates. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1539-1544	3.8	24
30	Microstructural aspects of the sintering of thermal barrier coatings. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 368, 212-221	5.3	96
29	Materials selection guidelines for low thermal conductivity thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2003 , 163-164, 67-74	4.4	727
28	Effect of Yttrium and Erbium Ions on Epitaxial Phase Transformations in Alumina. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 541-45	3.8	28
27	Effect of Codoping on the R-Line Luminescence of Cr ³⁺ -Doped Alumina. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 1966-1970	3.8	25
26	Observation of Subcritical Spall Propagation of a Thermal Barrier Coating. <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3237-3242	3.8	88
25	Luminescence Characterization of Chromium-Containing theta-Alumina. <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3345-3348	3.8	60
24	Imaging Spatial Variations in Resistance Along Interconnects. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 514, 139		
23	Microstructural origin of current localization and puncture failure in varistor ceramics. <i>Journal of Applied Physics</i> , 1997 , 81, 985-993	2.5	39
22	Effective thermal conductivity of particulate composites with interfacial thermal resistance. <i>Journal of Applied Physics</i> , 1997 , 81, 6692-6699	2.5	1395
21	Polarization Dependence of the Cr ³⁺ R-Line Fluorescence from Sapphire and Its Application to Crystal Orientation and Piezospectroscopic Measurement. <i>Journal of the American Ceramic Society</i> , 1997 , 80, 69-78	3.8	52
20	Mechanical and chemical consequences of the residual stresses in plasma sprayed hydroxyapatite coatings. <i>Biomaterials</i> , 1997 , 18, 477-82	15.6	147
19	Structural Relaxation around Substitutional Cr ³⁺ Ions in Sapphire. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 3-11	3.8	29
18	Effect of Variations in Grain Size and Grain Boundary Barrier Heights on the Current- Voltage Characteristics of ZnO Varistors. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 3185-3192	3.8	52
17	Deformation Bands in Ceria-Stabilized Tetragonal Zirconia/Alumina: I, Measurement of Internal Stresses. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 633-640	3.8	56
16	Deformation Bands in Ceria-Stabilized Tetragonal Zirconia/Alumina : II, Stress-Induced Aging at Room Temperature. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 641-644	3.8	21
15	Determination of the Piezospectroscopic Coefficients for Chromium-Doped Sapphire. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 1347-1353	3.8	278

14	Epitaxial Aluminum-Doped Zinc Oxide Thin Films on Sapphire: I, Effect of Substrate Orientation. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 1931-1934	3.8	75
13	Sample-probe interactions in spectroscopy: Sampling microscopic property gradients. <i>Journal of Applied Physics</i> , 1995 , 77, 1855-1863	2.5	93
12	Size dependent hardness of silver single crystals. <i>Journal of Materials Research</i> , 1995 , 10, 853-863	2.5	1063
11	Piezospectroscopic Determination of Residual Stresses in Polycrystalline Alumina. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 298-302	3.8	183
10	Forces between Alumina Surfaces in Salt Solutions: Non-DLVO Forces and the Implications for Colloidal Processing. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 437-443	3.8	121
9	Calcium Concentration Dependence of the Intergranular Film Thickness in Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 911-914	3.8	156
8	Possible Electrical Double-Layer Contribution to the Equilibrium Thickness of Intergranular Glass Films in Polycrystalline Ceramics. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1201-1204	3.8	153
7	Stress Measurement in Single-Crystal and Polycrystalline Ceramics Using Their Optical Fluorescence. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1433-1440	3.8	270
6	Interpenetrating Phase Composites. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 739-758	3.8	271
5	Measurement of Stresses Using Fluorescence in an Optical Microprobe: Stresses around Indentations in a Chromium-Doped Sapphire. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 3189-3194	3.8	76
4	Issues in the Processing of Cuprate Ceramic Superconductors. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1103-1113	3.8	115
3	Fracture toughness measurements of YBa ₂ Cu ₃ O _x single crystals. <i>Applied Physics Letters</i> , 1987 , 51, 454-456	3.8	126
2	On the Equilibrium Thickness of Intergranular Glass Phases in Ceramic Materials. <i>Journal of the American Ceramic Society</i> , 1987 , 70, 15-22	3.8	637
1	The microstructural location of the intergranular metal-oxide phase in a zinc oxide varistor. <i>Journal of Applied Physics</i> , 1978 , 49, 2407	2.5	157